

FIG.1

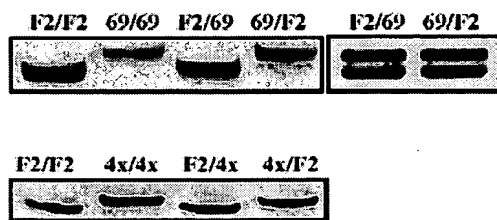


FIG.2

Meg1.3	HE	Y 240	00	ALUFTSLL
Meg1.2	HE	X 240	00	ALUFTSLL
Meg1.4	HEP	X	00	ALUFTSLL
Meg1.6	HE	EDP	00	DUEBUTP
Meg1.1	HE	X	00	ALUFTSLL
Meg1.5	EGYGRPEPLPDAS	TYIEG	PANCE	BUSH I FRP FUG FREVRUWKE SRHP GEDPNUZ C I U D J DMP

Megl.3	SSDTLLNRMGR	-----	USAT AALG CD	-----	UGTPPE	DM	EXCEJCC	THD	YNTLACQSHAF	
Megl.2	LLCYANARNGK	-----	AKGJNQCMGARGU	TPPE	DM	EXCEJCC	THD	YNTLACQSHAF		
Megl.4	LLCYANARNGK	GRVDDV	USTRPAK	GINQCMGARGU	TPPE	DM	EXCEJCC	THD	YNTLACQSHAF	
Megl.6	-----	-----	AKGJNQCMGARGU	TPPE	DM	EXCEJCC	THD	YNTLACQSHAF		
Megl.1	LLCYANARNGK	GRVDDV	USTRPAK	GINQCMGARGU	TPPE	DM	EXCEJCC	THD	YNTLACQSHAF	
Megl.5	AQATPALEALQC	-----	RVTDVU	VSAPAE	GINPDKR	AQCAQSTLPE	DM	EXCEJCC	THD	YNTLACQSHAF

FIG. 3

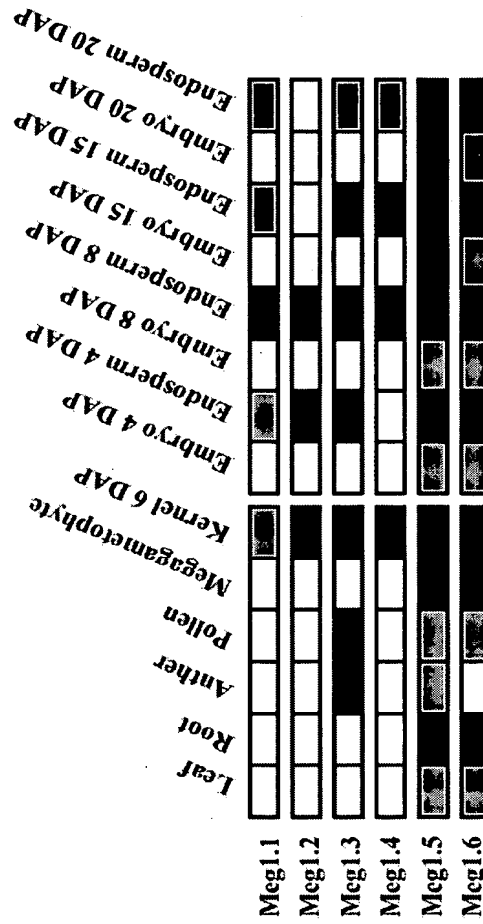


FIG.4

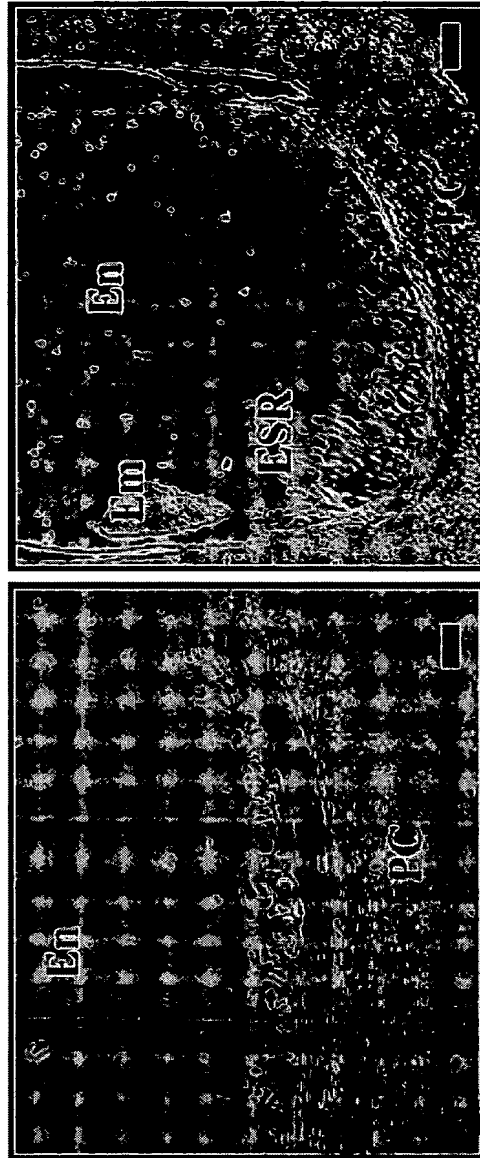


FIG.5

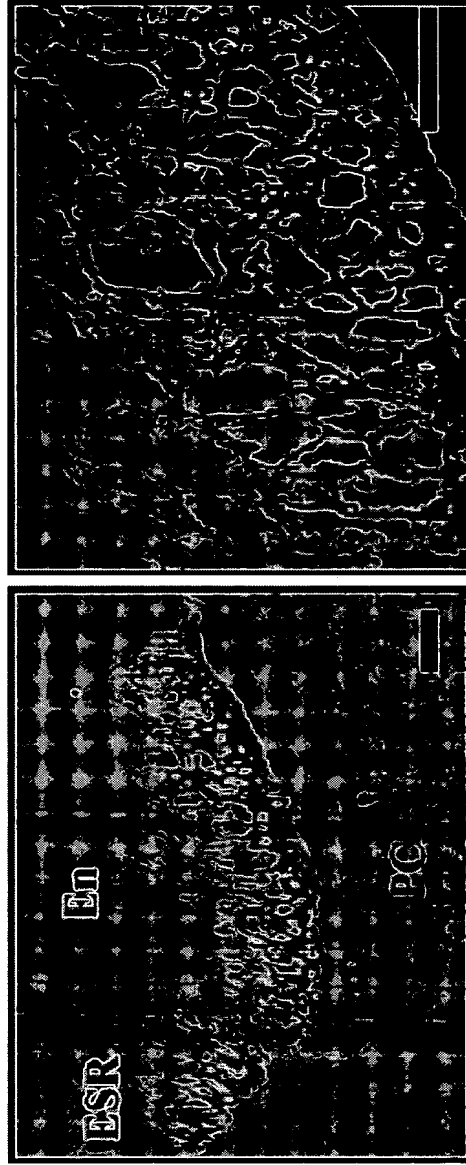


FIG. 6

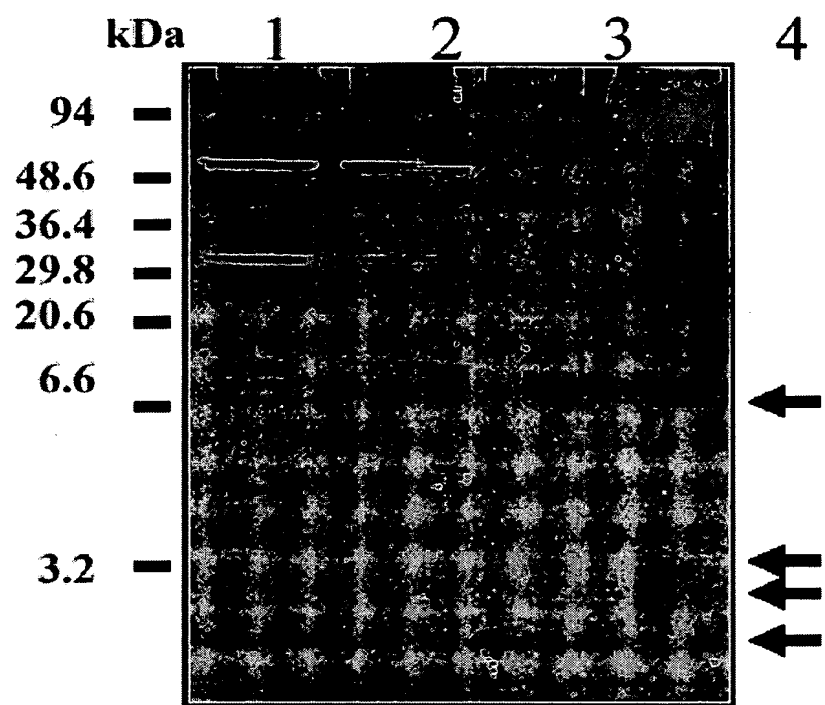
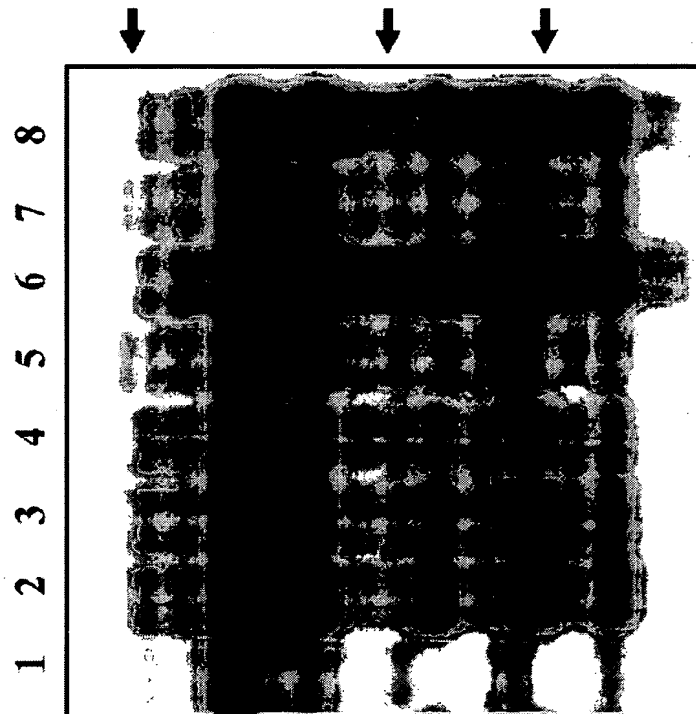
FIG.7

FIG. 8



Phylogenetic tree showing the relationships between ZmBAP2 family proteins. The tree is rooted with ZmBAP2-6 pep. The main clade includes ZmBAP1a pep, ZmBAP1b pep, and a large group containing ZmBAP2 pep, ZmBAP2-8 pep, and a sub-clade of ZmMeg1-1 pep and ZmMeg1-2 pep.

FIG. 10

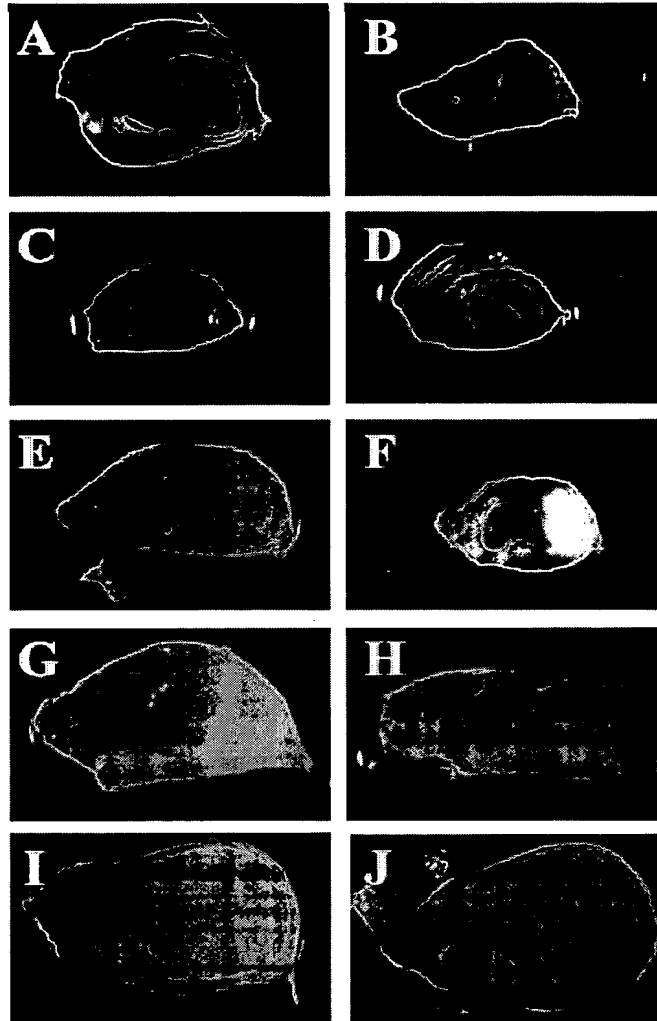
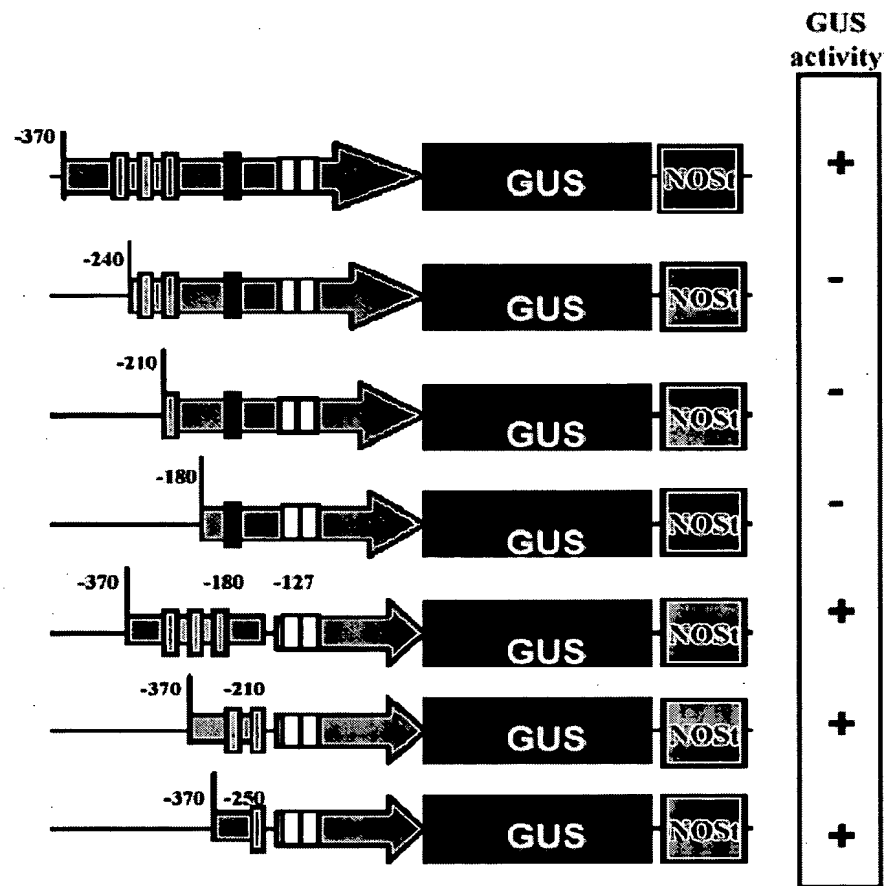


FIG.11

**FIG.12**

Maternally inherited
transgene = big endosperm,
poor germination

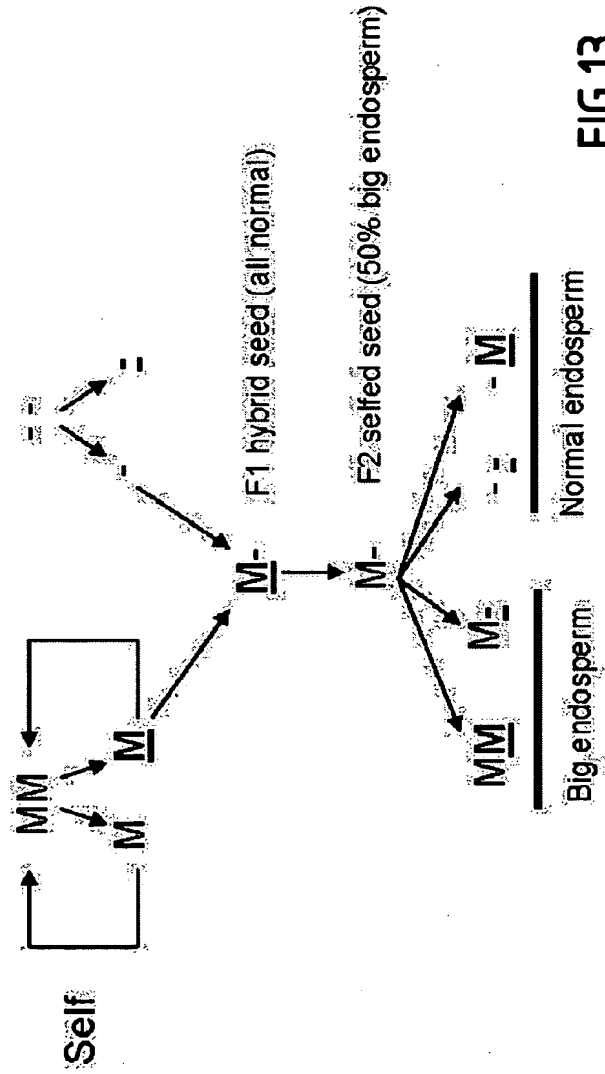


FIG.13

[illegible]